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# SUSTAINABILITY PROPOSAL

CAMPUS GARDEN CAMERAS

SUBMITTED BY:  
KATIE CHANDLER

SUBMITTED ON:  
03/01/2022



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## **I. Identification of Sponsors**

### **a. Project Sponsors (insert project sponsors and contact information below)**

1. Katie Chandler  
1774 W. Catalpa Street  
Springfield, MO 65807  
(620) 640-7232  
Kc127@live.missouristate.edu

### **b. Faculty/Staff advisor (insert faculty/staff contact information below)**

1. David Hall  
901 South National Avenue  
Springfield, MO 65897  
dhall@missouristate.edu

### **c. Project Manager (identify manager below, could also be a project sponsor)**

1. Katie Chandler

## **II. Description of Proposed Project**

### **a. General Description of Proposal**

Right now, the campus garden is able to produce high-quality products from Missouri State University and the greater Springfield area. However, the garden currently encounters both produce and property being stolen on a regular basis. The current campus cameras are not able to reach out to the Garden and no wifi access provided limits for what measures we can take. By purchasing cameras we can help protect our garden from wrongdoers campus security is able to be alerted of movement happening at the garden to help catch threats as well as find any patterns in theft.

### **b. Proposal Details**

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The Vosker V200 can work over LTE instead of WIFI being charged by batteries and solar energy. The camera is able to give photos and alerts to an accompanying app. Video and audio can be accessed via the SD card. Through the subscription unlimited about of photos can be collected. The same camera has been used at the Darr Agriculture system with great success.

**c. Proposed location for the object of the proposal**

The cameras would be set around the campus garden but can be moved around to best fit the space.

**d. Alternative Uses**

If the University upgrades to more permanent cameras the camera can be moved to an alternative location that is deemed fit.

**e. Drawbacks**

The cameras still do not provide instant support but can help to find patterns.

**f. Necessary modifications to existing structures**

No major modifications are necessary.

**III. Estimated Cost of the Project**

**a. Provisions of Alternatives in Order of Preference** (please describe alternatives in the case that insufficient funding is available).

**b. Provisions of Complete Cost Breakdowns**

\$549 for camera

\$432 for Subscription for 2 years

\$981 total

\$1,000 for Cushion

**c. Provisions of any Ongoing Costs**

The yearly plan can be bought at the same time as the camera. For the next year, a message will be left with the successor of the Chief Commissioner position to

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contact the appropriate to purchase another year's subscription using passed funds. The Missouri State campus security will be given access to monitor the camera's activity.

#### **IV. Estimated Completion Time of Project**

Once the cameras are purchased and arrive installation can happen instantly.

The goal is to have the cameras set for the summer season when there are significantly fewer people on campus leaving the garden vulnerable.

#### **V. Estimated Life of Project**

The camera is good for years to come. If at the end of the 2 years, the commission would like to increase the subscription a future proposal will need to be created.

#### **VI. Justification of Project**

Student workers at the campus garden have been very vocal about how the theft at the garden becomes an increasing problem as we get closer to harvest times. The camera will help to ease their frustration and have a set of eyes on the garden when they cannot be there.

#### **VII. University Support**

I've spoken to David Hall and Andrew Englert and they agreed this was the best way for the set up of the garden.

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